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AMENDMENT TO THE CLAIMS

1-28. (Canceled).

29. (Currently Amended) A spin mixture comprising a spin agent and a polymer component consisting of a functional polymer or a mixture of a functional polymer and one of polyethylene or polyethylene terephthalate, said polymer component comprising 0 to 95 % by weight of polyethylene or polyethylene terephthalate and 5 to 100% by weight of a said functional polymer, the functional polymer being polyethylene or polyethylene terephthalate having 1 to 25 mol % of pendant functional groups selected from the group consisting of fluorocarbon radicals and oxyethylene radicals, and 0 to 95 % by weight of polyethylene or polyethylene terephthalate.

30. (Currently Amended) A spin mixture comprising a spin agent and a polymer component,

wherein the polymer component consists of comprises 0 to 95 % 5 to 100 % by weight of a first polymer and 5 to 100 % 0 to 95 % by weight of a second polymer;

wherein the first polymer is selected from the group consisting of polyolefins, copolymers thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof, and the first polymer comprises 1 to 25 mol % of pendant functional groups selected from the group consisting of fluorocarbon radicals, vinyl silane radicals and oxyethylene radicals polyolefins, copolymers thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof, and

wherein the second polymer is selected from the group consisting of polyolefins, copolymers thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof, and the second polymer comprises 1 to 25 mol % of pendant functional groups selected from the group consisting of fluorocarbon radicals, vinyl silane radicals and oxyethylene radicals.

31. (Original) The spin mixture of Claim 30 wherein the spin agent is selected from the group consisting of aliphatic hydrocarbons, fluorocarbons, halogenated hydrocarbons, and hydrofluorocarbons

32. (Currently Amended) The spin mixture of Claim 30 wherein the polymer mixture component consists of comprises 70 to 95 30 to 5 percent by weight of the first polymer and 30 to 5 70 to 95 percent by weight of the second polymer.

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33. (Currently Amended) The spin mixture of Claim 30 wherein the first second polymer is polyethylene terephthalate.

34. (Currently Amended) The spin mixture of Claim 30 wherein the first second polymer is polyethylene.

35. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is polyethylene terephthalate.

36. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is polyethylene.

37. (Original) The spin mixture of Claim 30 wherein the pendant group is a fluoro-olefin radical.

38. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is grafted with fluoro-olefin radical.

39. (Original) The spin mixture of Claim 30 wherein the pendant group is oxyethylene trimer.

40. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is grafted with oxyethylene trimer.

41. (Original) The spin mixture of Claim 30 wherein the pendant group is a perfluorovinyl ether.

42. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is grafted with perfluorovinyl ether.

43. (Original) The spin mixture of Claim 30 wherein the pendant group is a vinyl silane.

44. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer is grafted with vinyl silane.

45. (Currently Amended) The spin mixture of Claim 30 wherein the second first polymer comprises 5 to 15 mol % of pendant functional groups.

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46. (Original) The spin mixture of Claim 30 formed as a plexifilamentary yarn.
47. (Original) The spin mixture of Claim 30 formed as a microcellular foam.
48. (Original) The spin mixture of Claim 30 formed as a non-woven fabric.
49. (Original) The plexifilamentary yarn of Claim 46 formed as a non-woven fabric.